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Supplemental Material

Temperature Variability and Mortality: A Multi-Country Study

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USA data

Data Collection

- **Table S1.** Summary statistics for period, deaths, mean temperature, and temperature variability (from 0–1 day to 0–7 day's exposure) in 372 communities in 12 countries/regions.
- **Table S2.** Percent change (mean and 95% CI) of mortality associated with an IQR (inter-quartile range) increase in temperature variability (°C) on different exposure days in cold (four coldest months), hot (four hottest months) and moderate (except four coldest and four hottest seasons) seasons, after controlling for main effect of temperature.
- **Figure S1.** Locations of communities stratified by cold, moderate cold, moderate hot and hot areas, by the quantiles ($\leq 25^{th}$, 25^{th} – 50^{th} , 50^{th} – 75^{th} , and > 75^{th}) of their annual mean temperatures (each community has one value of annual mean temperature).
- **Figure S2.** Percent change (95% CI) in mortality associated with one degree increase in temperature variability (°C) on different exposure days, (A) after controlling for the effect of daily mean temperature, (B) without controlling for the effect of temperature.
- **Figure S3.** Percent change (95% CI) in mortality associated with an IQR (for each community) increase in temperature variability (°C) on different exposure days, (A) after controlling for the effect of daily minimum temperature, (B) controlling for the effect of daily maximum temperature.
- **Figure S4.** Percent change (95% CI) in mortality associated with future 7 days' temperature variability (°C), after controlling for the main effect of temperature, seasonality, and day of the week.